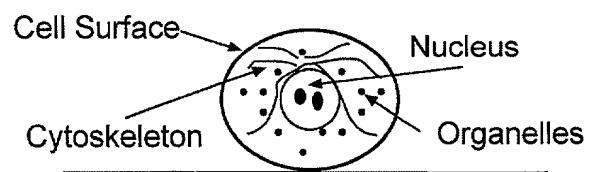


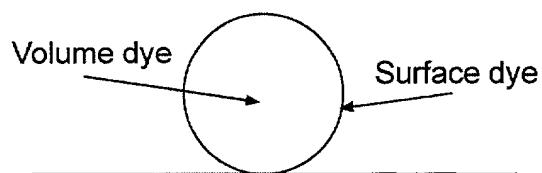
Figure 1

Fluorescent Beads as Models for Cells

A. Round Cell



C. Cell-size bead



B. Flat Cell



D. Beads embedded in layer

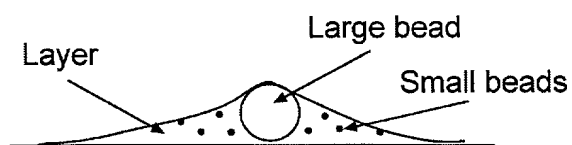


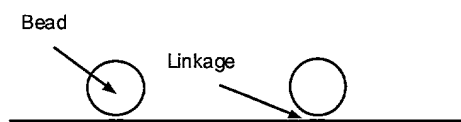
FIGURE 2

Fluorescent Beads and Polymer Layers

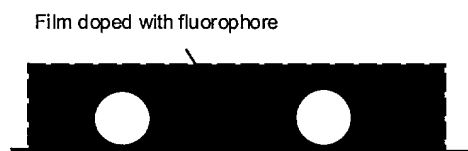
Side View

Top View

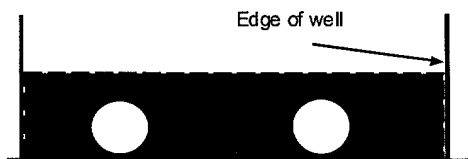
A. Beads attached to substrate



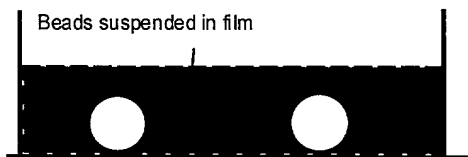
B. Beads embedded in a polymer layer



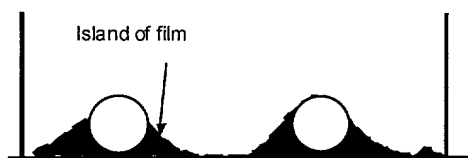
C. Film in a polymer layer



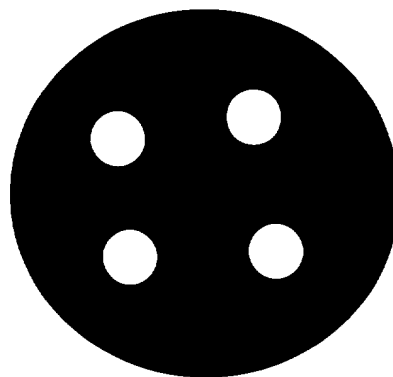
D. Detached beads in a polymer layer



E. Beads in polymer layer islands



F. Two sizes of beads in polymer layer



G. Beads in polymer layer islands

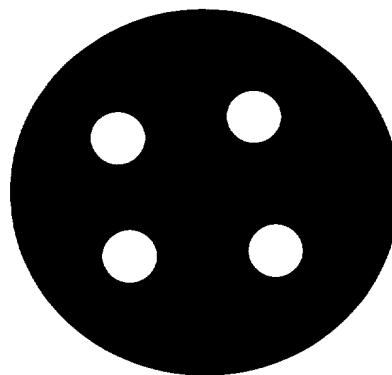
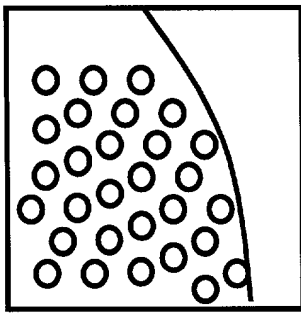
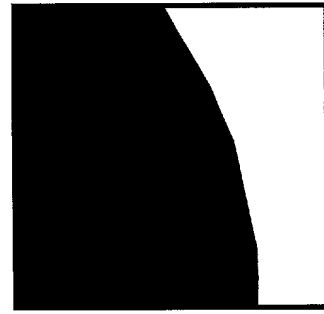


Figure 3



(a)



(b)

Figure 4.

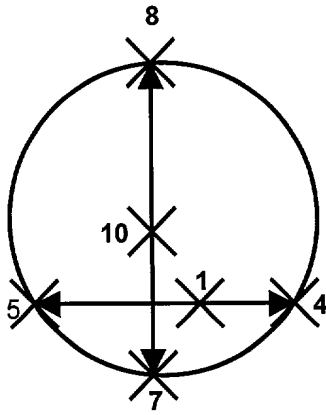


Figure 5.

